



FAG

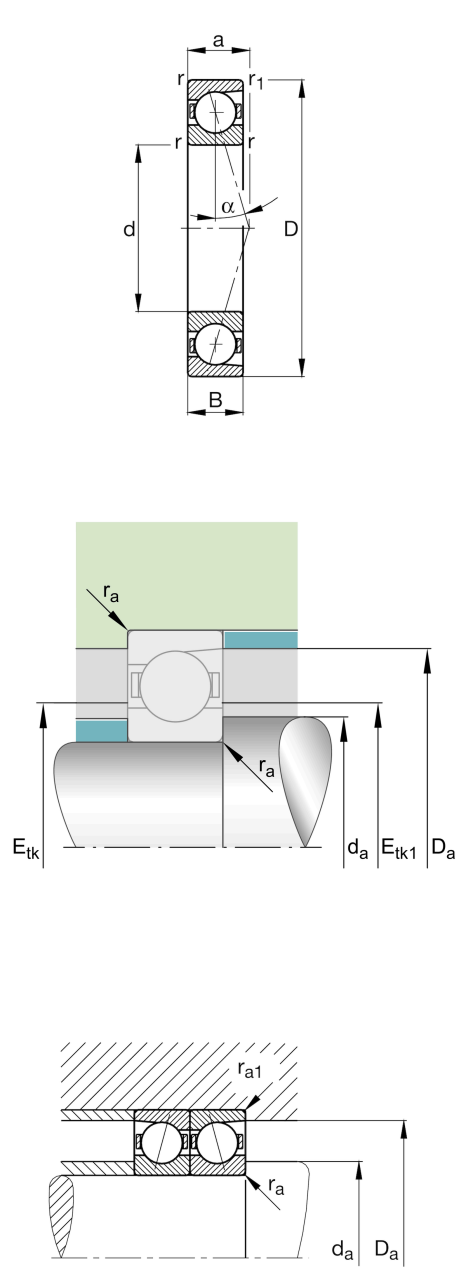
B71918-E-T-P4S-UL

Spindle bearing

Schaeffler ID:
0191547120000

Spindle bearing B719...-E, adjusted, in pairs or sets, contact angle $\alpha = 25^\circ$, restricted tolerances

Technical information



Main Dimensions & Performance Data

d	3,543 in	Bore diameter
D	4,921 in	Outside diameter
B	0,709 in	Width
C _r	10.116,906 lbf	Basic dynamic load rating, radial
C _{0r}	7.419,065 lbf	Basic static load rating, radial
C _{ur}	764,388 lbf	Fatigue load limit, radial
n _{G Grease}	9.500 1/min	Limiting speed for grease lubrication
n _{G Oil}	15.000 1/min	Limiting speed for oil lubrication
	1,204 lbs	{Weight}

Mounting dimensions

d _a	3,819 in	Diameter shaft shoulder
d _a	h12	Diameter shaft shoulder clearance
D _a	4,685 in	Shoulder diameter outer ring
D _a	H12	Shoulder diameter outer ring clearance
r _{a max}	0,024 in	Maximum recess radius
r _{a1 max}	0,024 in	Maximum recess radius
E _{tk min}	3,972 in	Minimum diameter injection pitch
E _{tk max}	4,106 in	Maximum diameter injection pitch
E _{tk1 min}	3,972 in	Minimum diameter injection pitch
E _{tk1 max}	4,106 in	Maximum diameter injection pitch
a	1,343 in	Distance between the apexes of the pressure cones

Dimensions

r _{min}	0,043 in	Minimum chamfer dimension
r _{1 min}	0,043 in	Minimum chamfer dimension
α	25 °	Contact angle

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	212 °F	Operating temperature max.

Additional information

F _{VL}	75,09 lbf	Preload force light
F _{VM}	277,878 lbf	Preload force medium
F _{VH}	592,176 lbf	Preload force heavy
K _{aEL}	218,076 lbf	Lift-off force light
K _{aEM}	832,059 lbf	Lift-off force medium
K _{aEH}	1.830,036 lbf	Lift-off force heavy
c _{aL}	189 N/μm	Axial rigidity light
c _{aM}	309 N/μm	Axial rigidity medium
c _{aH}	420 N/μm	Axial rigidity heavy